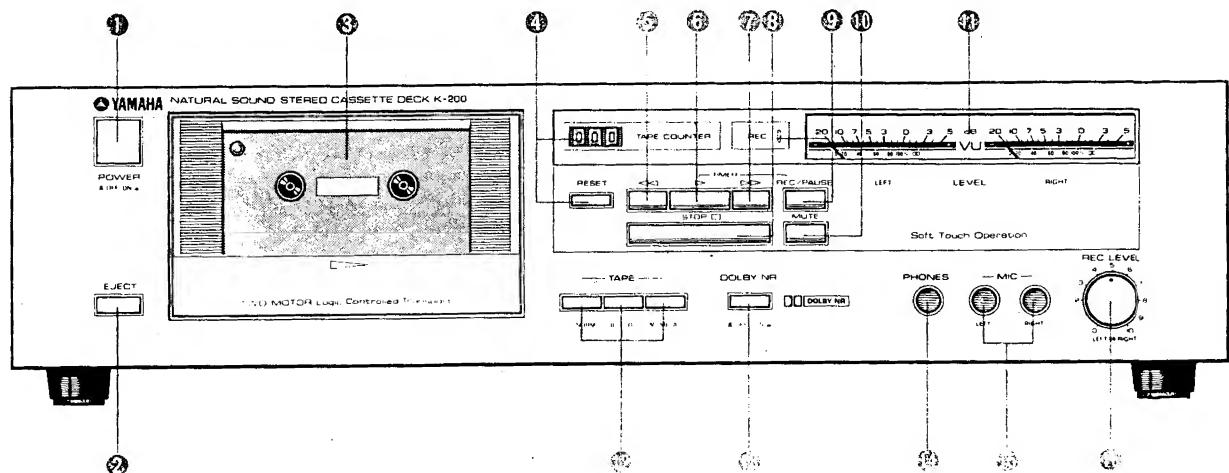


STEREO CASSETTE DECK

K-200

SERVICE MANUAL

■ FRONT PANEL



- ① Power Switch (POWER)
- ② Eject Button (EJECT)
- ③ Cassette Holder
- ④ Tape Counter/Reset Button (TAPE COUNTER/RESET)
- ⑤ Rewind Button (◀◀)
- ⑥ Play Button (▶)
- ⑦ Fast-Forward Button (▶▶)
- ⑧ Stop Button (□)

- ⑨ Record-Standby/Pause Button (REC/PAUSE)
- ⑩ Record-Muting Button (MUTE)
- ⑪ VU Level Meters (LEVEL)
- ⑫ Tape Selector Switches (TAPE)
- ⑬ Dolby NR Switch (DOLBY NR)
- ⑭ Headphone Jack (PHONES)
- ⑮ Microphone Jacks (MIC)
- ⑯ Record Level Control (REC LEVEL)

■ CONTENTS

Rear Panel	1
Names of the Parts	2
Disassembly Instructions	3
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Specifications	7
Block Diagram	7
Performance Chart for Mechanism Logic	8
Printed Circuit Board Pattern-side Layout	10
Printed Circuit Board Parts-side Components Layout/Wiring	11
Schematic Diagram	12

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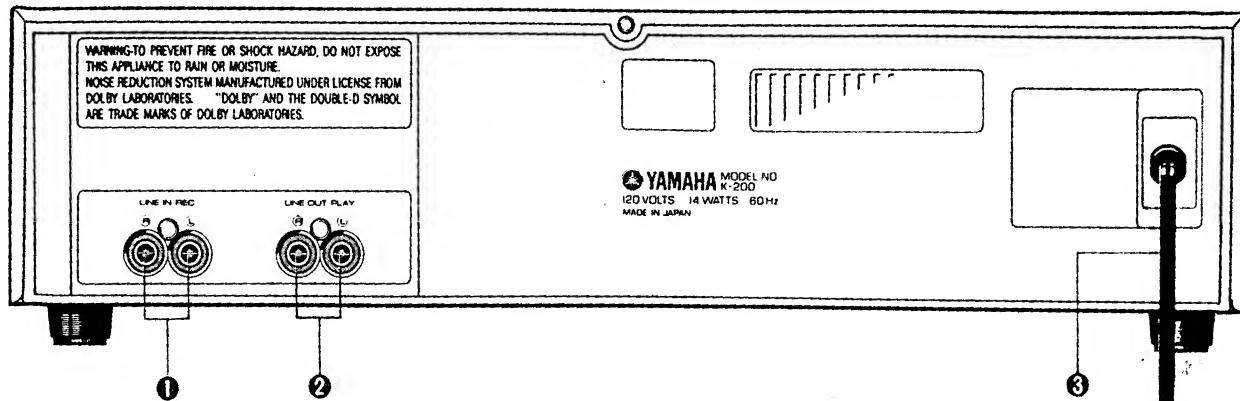
YAMAHA

NIPPON GAKKI CO., LTD. HAMAMATSU, JAPAN

Printed in Japan 5.82 2.65K

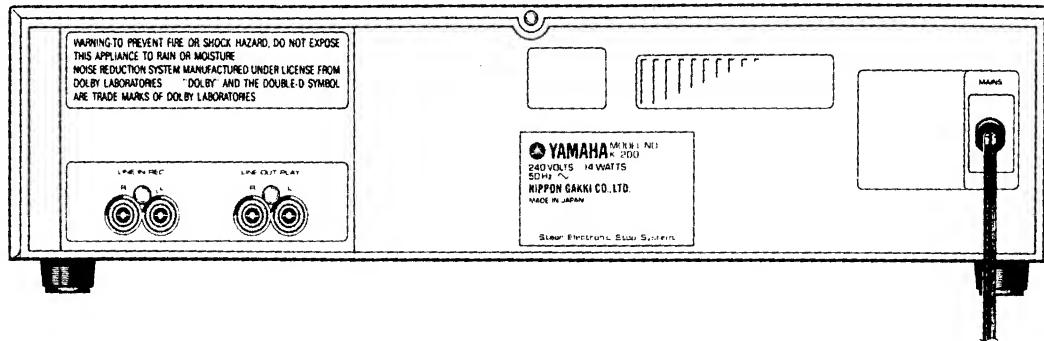
REAR PANEL

 U.S.A. and Canadian Models

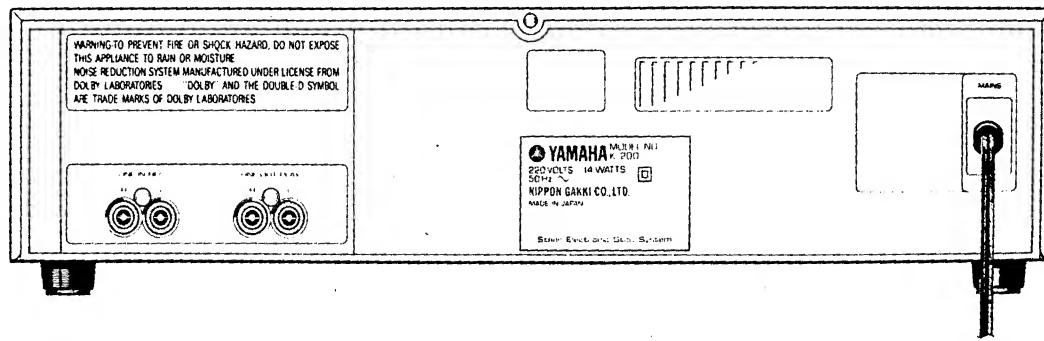


- ① Record Input Jacks (LINE IN/REC)
- ② Playback Output Jacks (LINE OUT/PLAY)
- ③ Power Cord

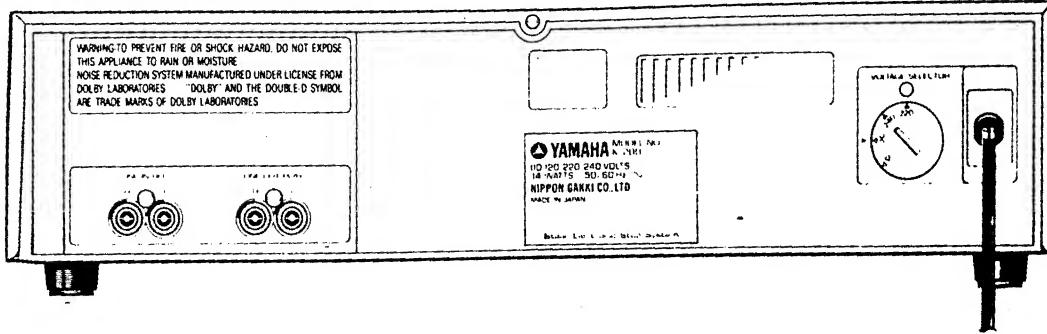
Australian and British Models



European Model

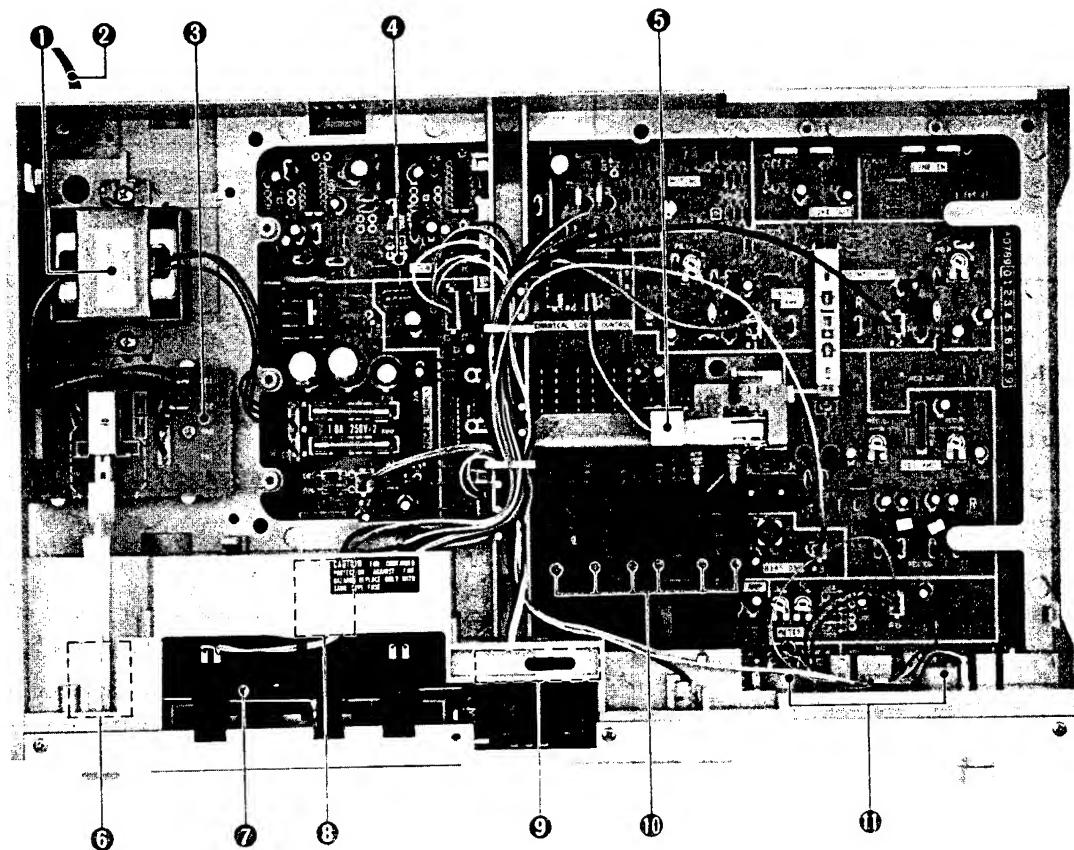


General Model



■ NAMES OF THE PARTS

Top View



- Ⓐ Power transformer
- Ⓑ Power cord
- Ⓒ Main circuit board (2)
- Ⓓ Main circuit board (1)
- Ⓔ Auto-Shut off solenoid
- Ⓕ Capstan drive motor
- Ⓖ Transport mechanism TM-5A
- Ⓗ Reel drive motor
- Ⓘ Main circuit board (3)
- Ⓛ Switch rods
- Ⓜ VU meters

■ DISASSEMBLY INSTRUCTIONS

1. Removal of Top Cover

Remove screws ① and ② shown in photo 1 (4 screws each right and left) and remove plastic rivet ⑤. The top cover can now be removed.

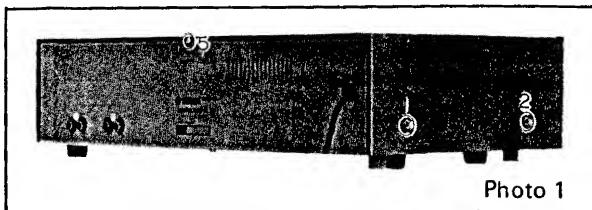


Photo 1

2. Removal of Bottom Cover

Remove screws ① ~ ⑧ shown in fig 2, and remove the bottom cover.

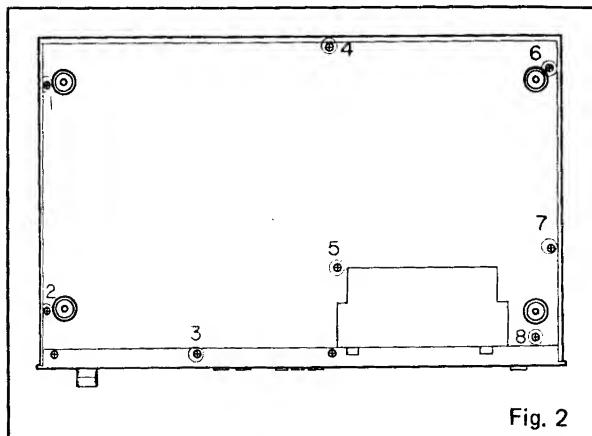


Fig. 2

3. Removal of Front Panel

- Remove the top and bottom covers per steps 1, and 2.
- Remove screws ① ~ ⑥ shown in photo 3, and remove the front panel.

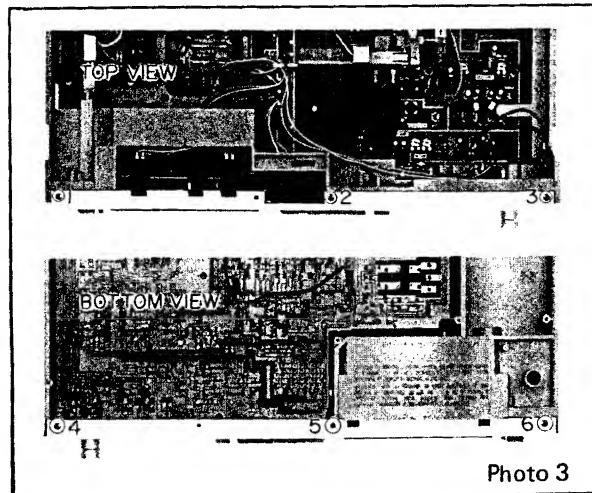


Photo 3

4. Removal of Transport Mechanism

- Remove the front panel according to step 3.
- Remove the cassette cover.
- Unplug all connectors from the mechanism section.
- Remove screws ① ~ ④ shown in photo 4, and remove the transport mechanism.

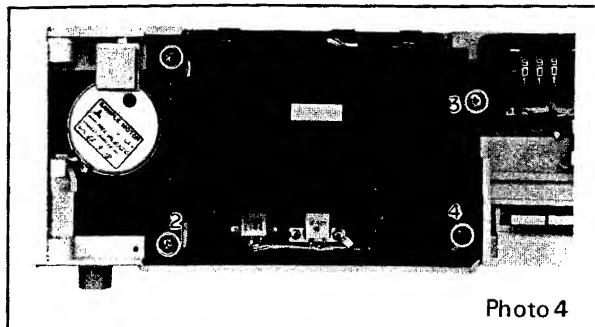


Photo 4

5. Removal of VU Meters

- Remove the front panel according to step 3.
- Remove screw ① shown in photo 5, and remove the VU meters.

6. Removal of Circuit Board

- Remove the top and bottom covers and the front panel according to steps 1, 2 and 3.
- Remove screws ② and ③ shown in photo 5.
- Remove the plastic rivets ④ and ⑤ shown in photo 6.
- Remove screw ① shown in photo 7, and remove plastic rivets ⑥ ~ ⑧.
- After removing all switch rods, the circuit board can be detached.

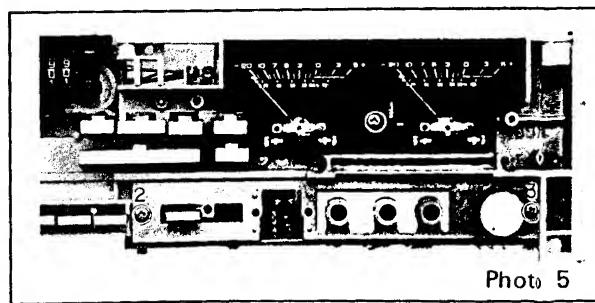


Photo 5

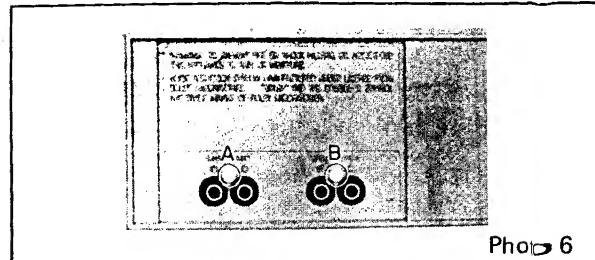


Photo 6

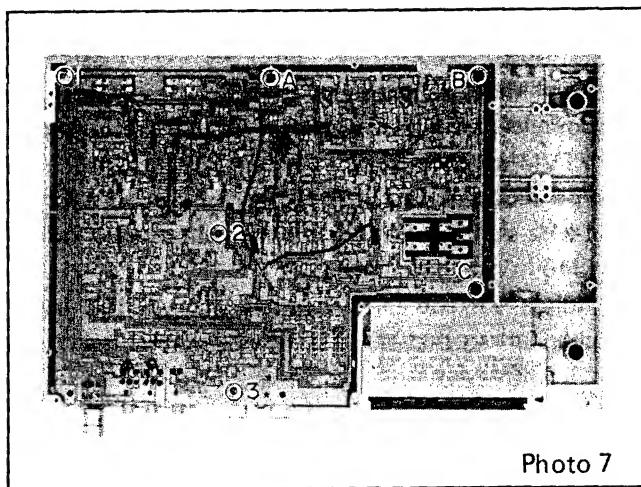


Photo 7

■ GENERAL ADJUSTMENTS

Before Adjustment

1. Set the Dolby NR switch to OFF.
2. As dirty or magnetized heads can deteriorate measurement results for various parameters, be sure to perform head demagnetizing and head cleaning, especially before adjusting frequency response or head azimuth.

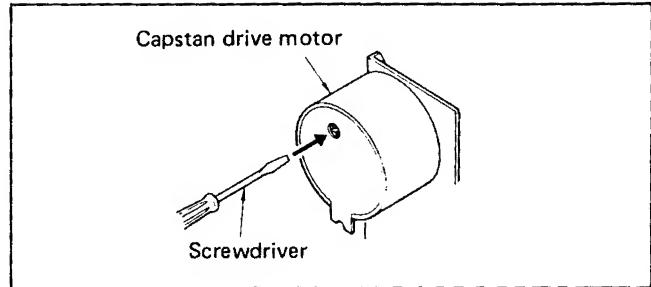
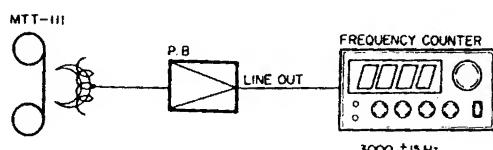
Designated Test Tapes

TEAC MTT-111 (3 kHz)
 TEAC MTT-212C (160 nWb/m)
 or MTT-212 (250 nWb/m)
 TEAC MTT-114 (10 kHz)
 TEAC MTT-216 (3180 + 120 μ s)
 or MTT-316 (3180 + 70 μ s)
 TDK SA C-60 (CrO₂ tape)
 TDK AD C-60 (LH tape)
 TDK MA C-60 (Metal tape)

Playback Adjustments

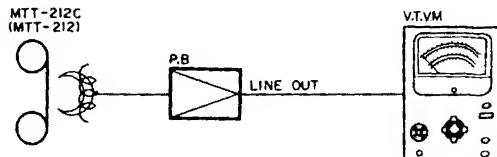
1. Tape Speed Adjustment

- a) Connect a frequency counter to the left or right channel LINE OUT.
- b) Play test tape TEAC MTT-111 (3 kHz) and adjust the semi-fixed VR in the drive motor base for a frequency counter reading of 3000 Hz $^{+0}_{-20}$ Hz.



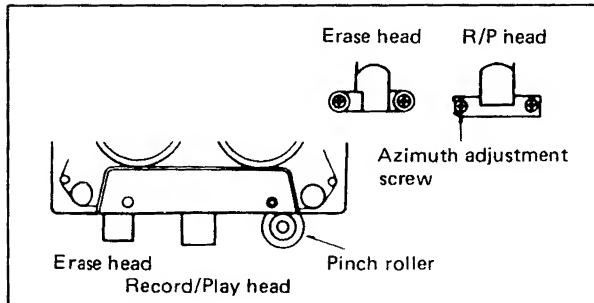
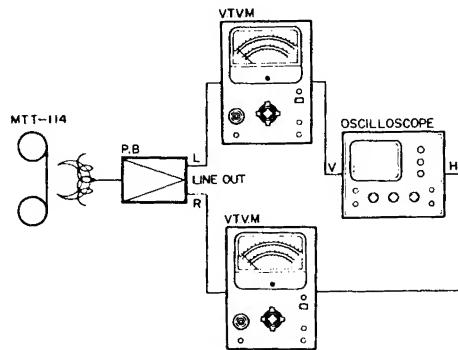
2. Playback Level Adjustment

- a) Connect a VTVM to LINE OUT.
- b) Play test tape TEAC MTT-212C (160 nWb/m) and adjust VR 101 (left channel) and VR 102 (right channel) for a LINE OUT level reading of -7 ± 1 dBm (346 mV).



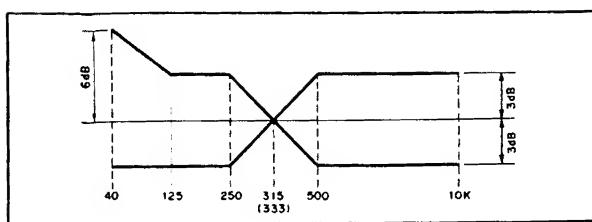
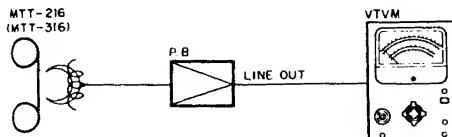
3. Head Azimuth Adjustment

- Remove the cassette cover.
- Connect two VTVMs and an oscilloscope to the left and right channels of LINE OUT.
- Play test tape TEAC MTT-114 (10 kHz) and turn the R/P head azimuth adjustment screw so that the outputs of both left and right channels are maximum, equal, and in phase.
- After adjustment, apply screw lock paint.



4. Playback Frequency Response Check

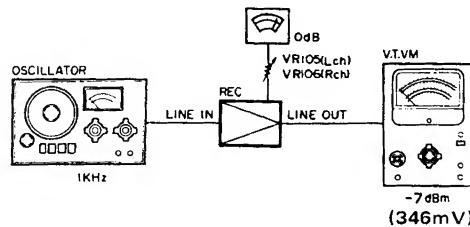
- Connect a VTVM to LINE OUT.
- Play test tape TEAC MTT-216 (3180 + 120 μ s : LH) or MTT-316 (3180 + 70 μ s : CrO₂) and confirm that the 10-kHz reading is within ± 3 dB of the 315-Hz reading.



Recording Adjustments

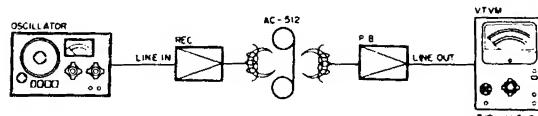
1. Level Meter Adjustment

- Connect an audio oscillator to LINE IN and a VTVM to LINE OUT.
- Put the deck into the record mode and apply a 1-kHz signal to LINE IN which will cause -7 dBm (346 mV) at the LINE OUT.
- Adjust VR 105 (left channel) and VR 106 (right channel) so that the VU meter pointers read 0 dB ± 1.5 dB.



2. Record Level Adjustment

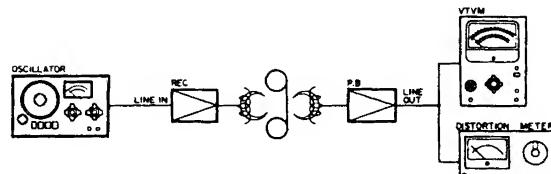
- Establish the same connections as for level meter adjustment, above.
- Put the deck into the record mode and apply a 315-Hz (1-kHz, 333-Hz) signal to LINE IN which will read -7 dBm (346 mV) at LINE OUT.
- Use the TDK SA C-60 CrO₂ tape and record this signal.
- Adjust VR 103 (left channel) and VR 104 (right channel) so that the recorded signal reads -7 dBm (346 mV) upon playback.



3. Check of Recording Bias Current

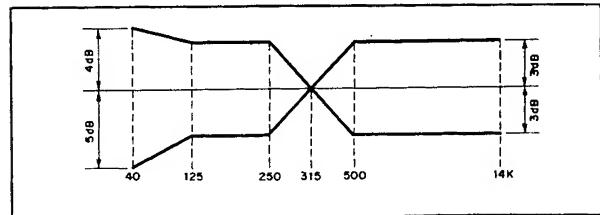
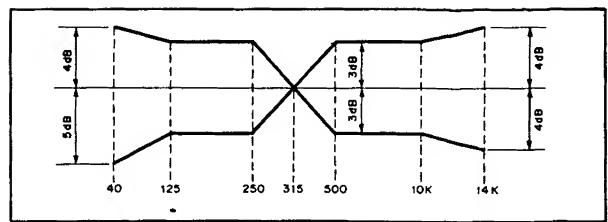
* Set the DOLBY NR switch to OFF.

- Connect an audio oscillator to LINE IN and a VTVM and distortion meter to LINE OUT.
- Apply a signal to LINE IN which will read -27 dBm (34.6 mV, -20 VU) at LINE OUT.



- CrO₂ Position

- Use a TDK SA C-60 CrO₂ tape and adjust VC 101 (trimmer capacitor, L and R) so that the 14-kHz record/playback level is within ± 3 dB of the 1-kHz (315-Hz, 333-Hz) record/playback level.
- At this time, distortion at 315-Hz (1-kHz, 333-Hz), 0 VU must be below 2.5%.

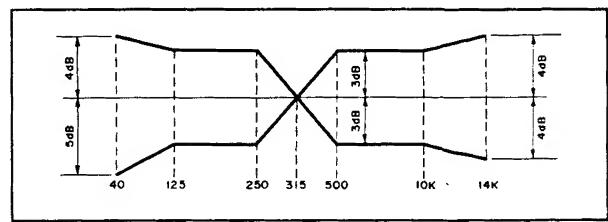


- LH Position

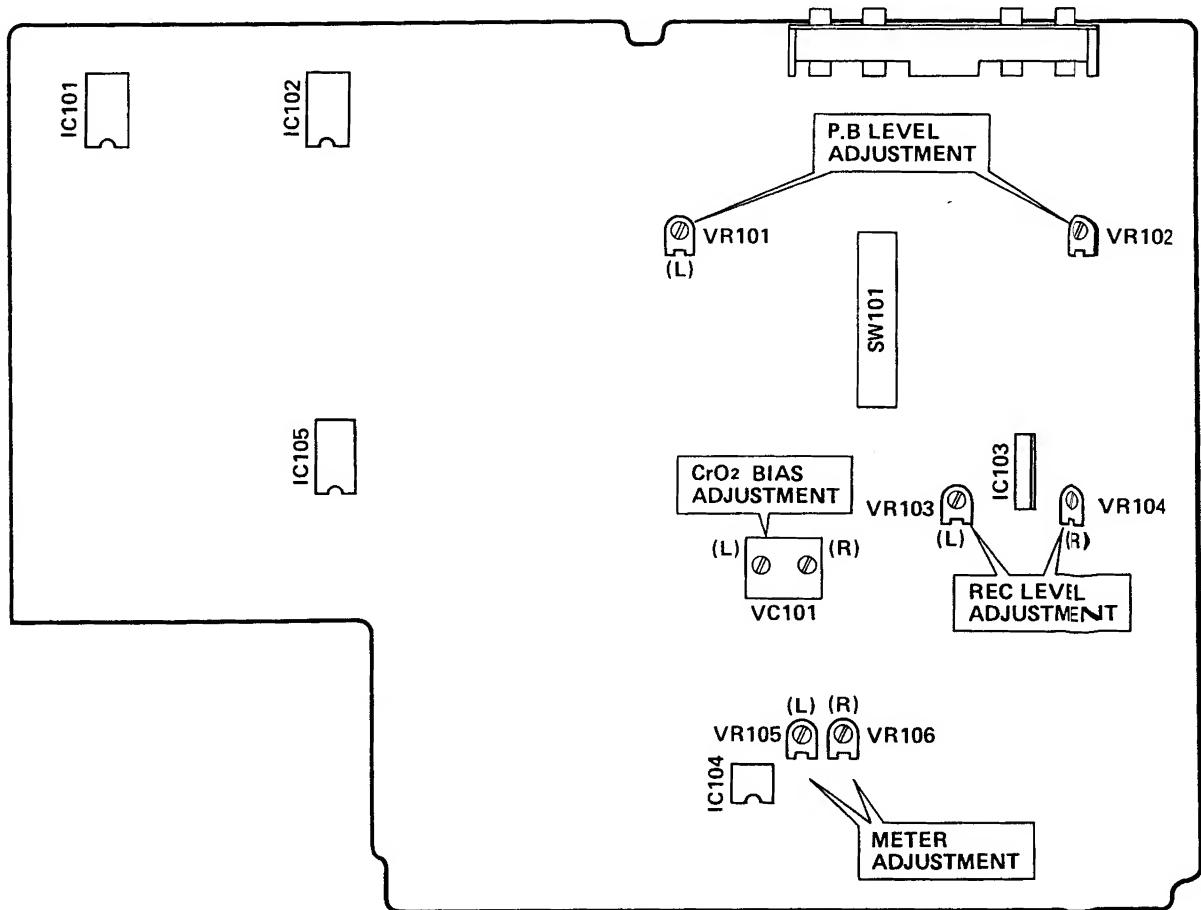
- Use a TDK AD C-60 (LH) tape and check that the 14-kHz record/playback level is within ± 4 dB of the 315-Hz (1-kHz, 333-Hz) record/playback level.

- METAL Position

- Use a TDK MA C-60 metal tape and check that the 14-kHz record/playback level is within ± 4 dB of the 315-Hz (1-kHz, 333-Hz) record/playback level.



Location of Adjustment Points



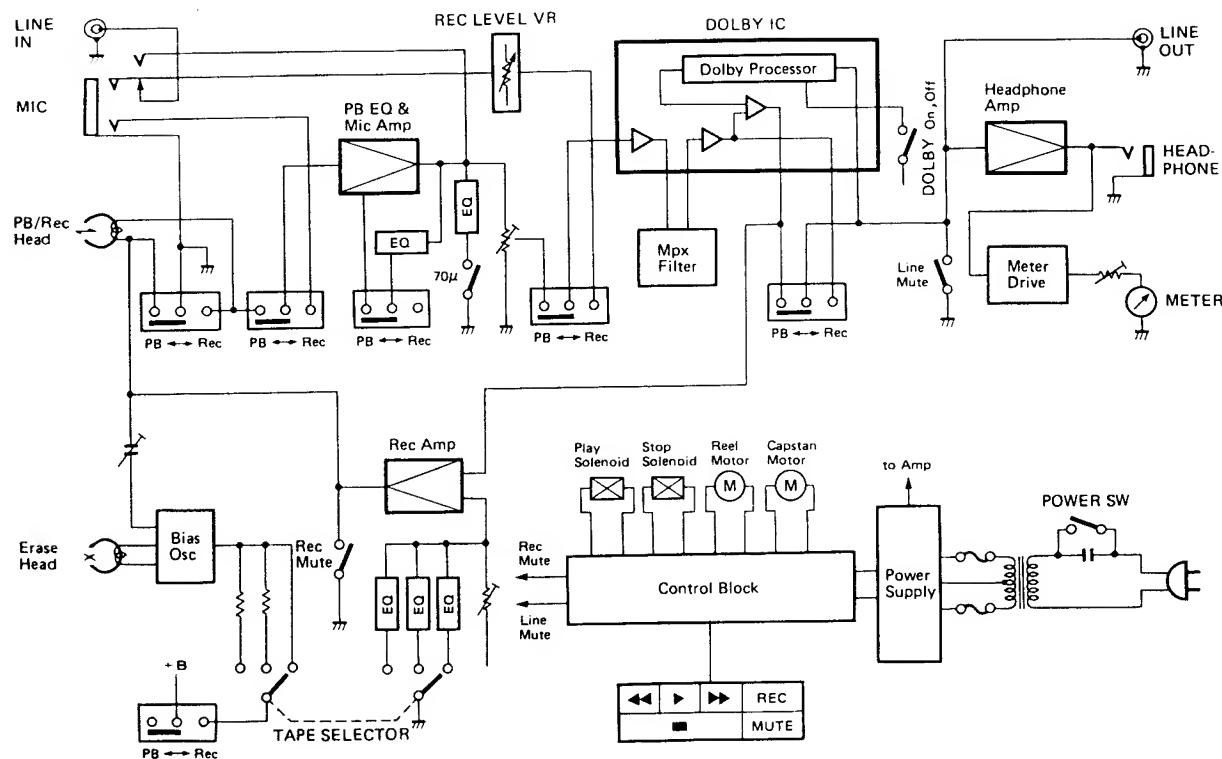
SPECIFICATIONS

Track Configuration	4 track, 2 channel stereo	Input Sensitivity/Impedance	0.3mV/5K ohms
Motor	DC servo motor (capstan) Flat torque DC motor (reel)	Line	60 mV/80K ohms
Heads	Hard permalloy rec/play-back head Double-gap ferrite erase head	Output Level	
Tape Speed	4.75 cm/sec	Line	350 mV/2.2K ohms
Wow and Flutter		Phones	0.6mW/8 ohms
WRMS	0.05%	Power Supply	AC 120V, 60 Hz (U,C) AC 220V, 50 Hz (G) AC 240V, 50 Hz (A,B) AC 110/120/220/240V, 50/60 Hz (R)
DIN-45507	0.08%	Power Consumption	14 W
Signal-to-Noise Ratio		Dimensions (W x H x D)	435 x 112 x 278 mm (17-1/8 x 4-13/32 x 11")
(Dolby off, CrO ₂ tape)	better than 58 dB	Weight	4.5 kg (9.9 lbs)
(Dolby on, CrO ₂ tape)	better than 66 dB		
Frequency Response			
Normal tape (-20 dB)	40 ~ 15,000 Hz ± 3 dB		
CrO ₂ tape (-20 dB)	40 ~ 15,000 Hz ± 3 dB		
Metal tape (-20 dB)	40 ~ 15,000 Hz ± 3 dB		
(0 dB)	40 ~ 12,000 Hz ± 3 dB		
Overall Distortion			
Metal tape	less than 1.0% (315 Hz)		
Channel Separation	better than 35 dB (1K Hz)		
Crosstalk	better than 60 dB (125 Hz)		
Erasure rate	better than 60 dB (400 Hz)		

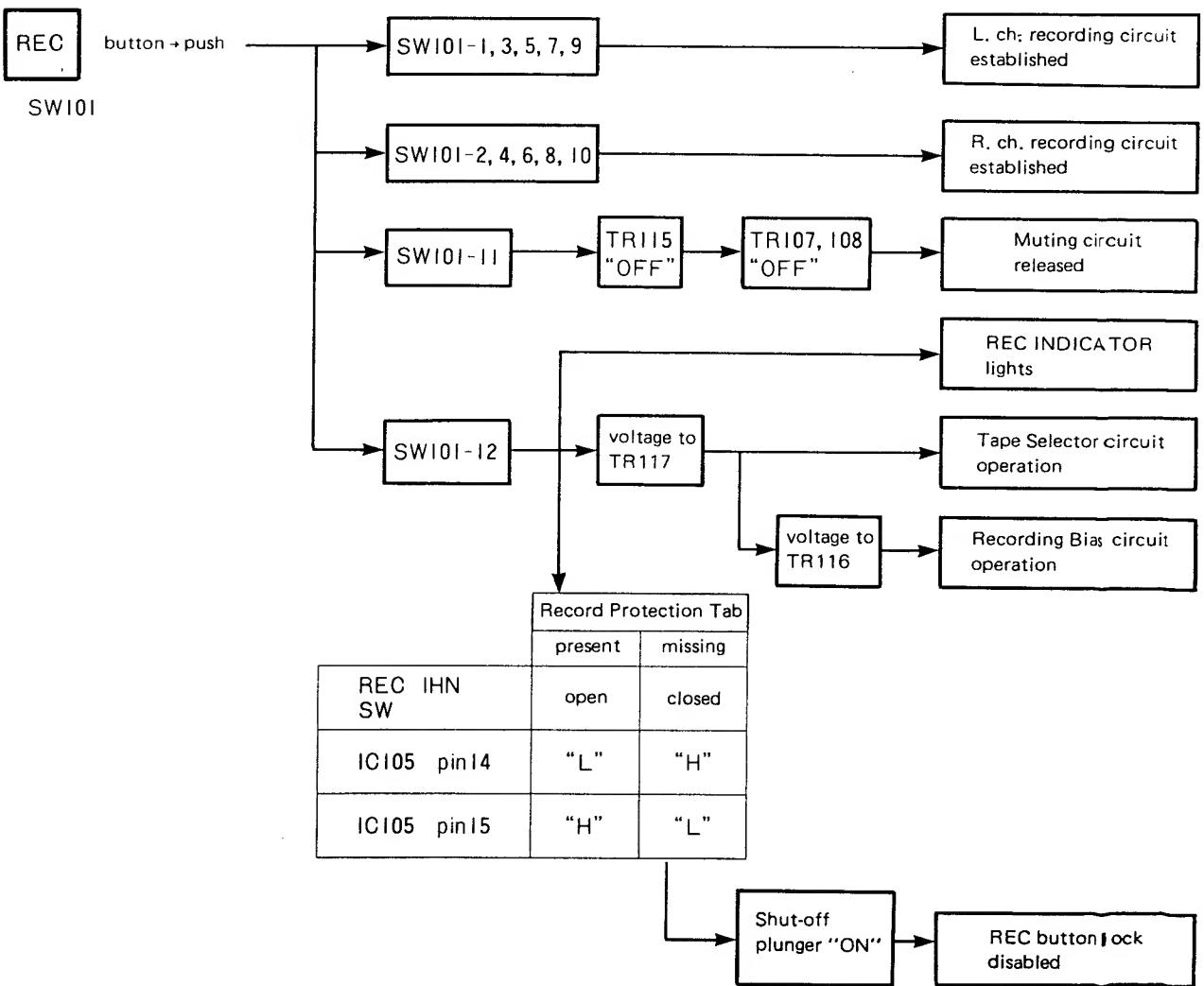
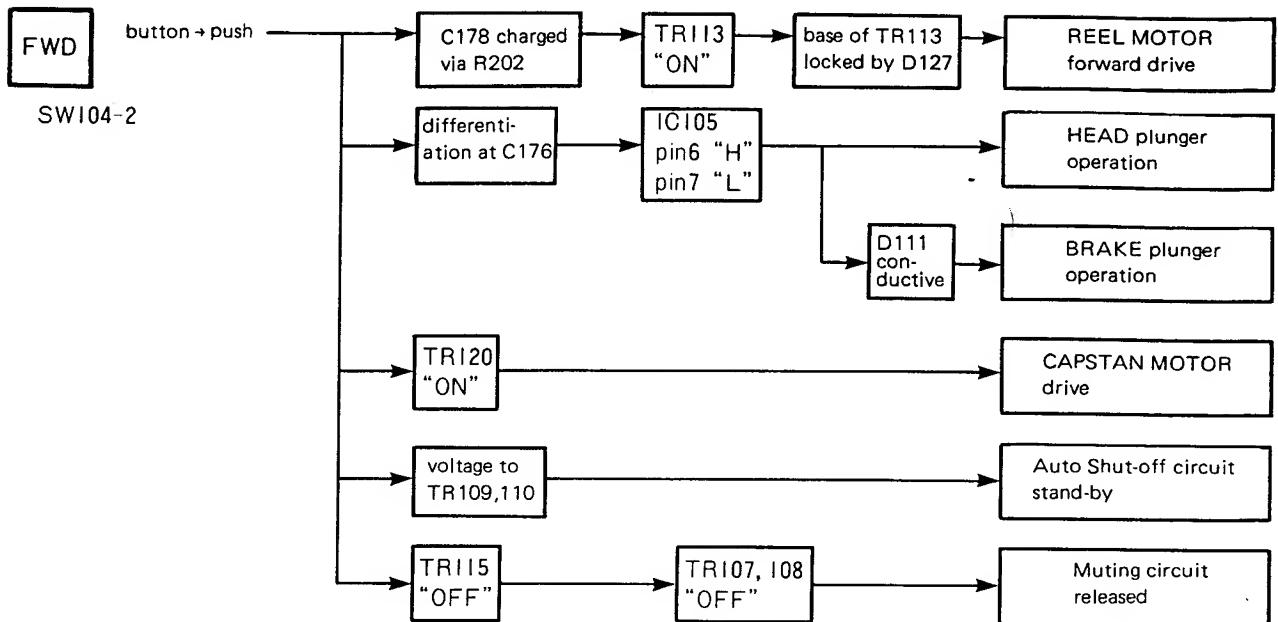
Specifications subject to change without notice.
TM Dolby Laboratories Licensing Corp.

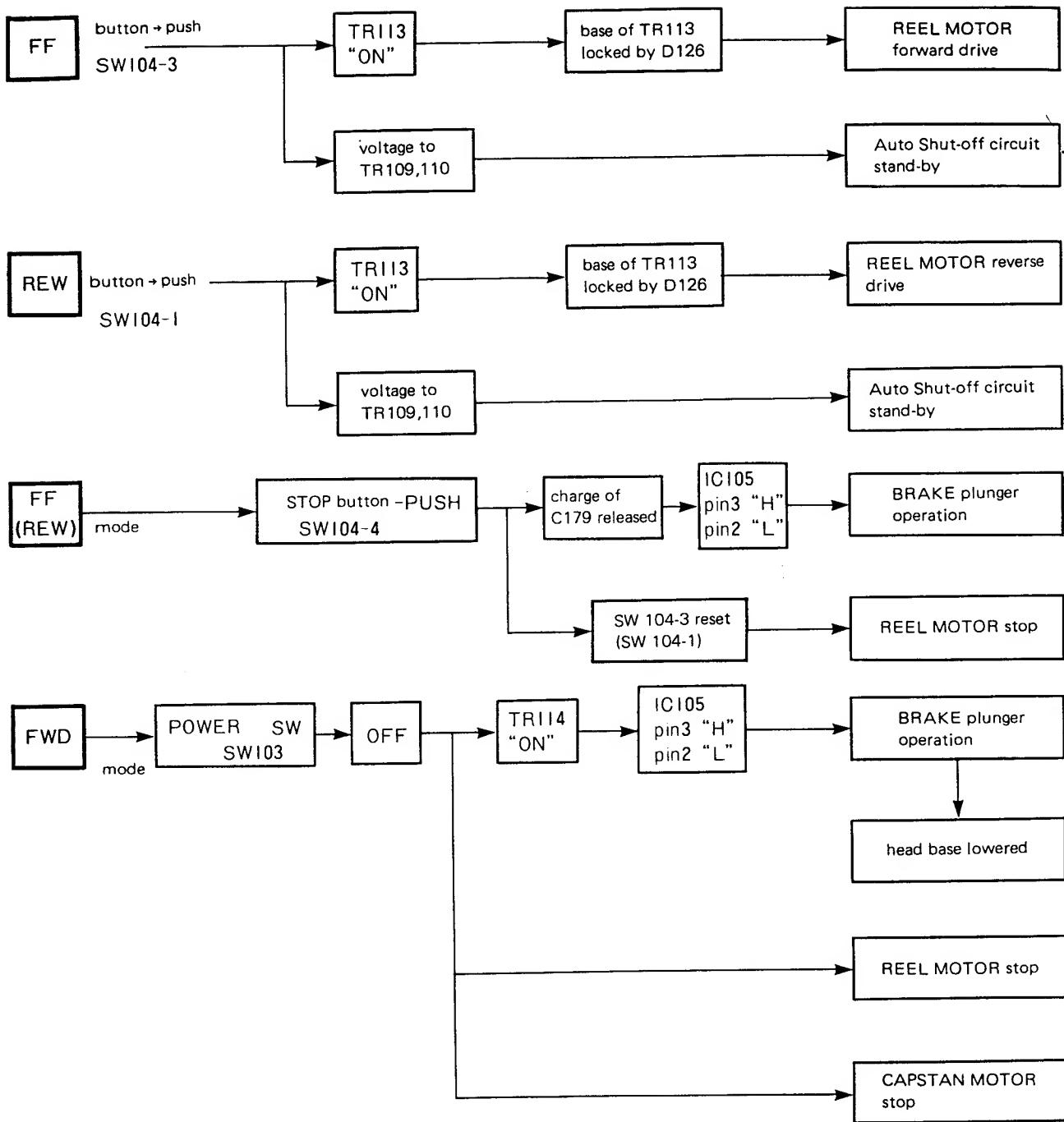
U : U.S.A. Model
C : Canadian Model
R : General Model
A : Australian Model
B : British Model
G : European Model

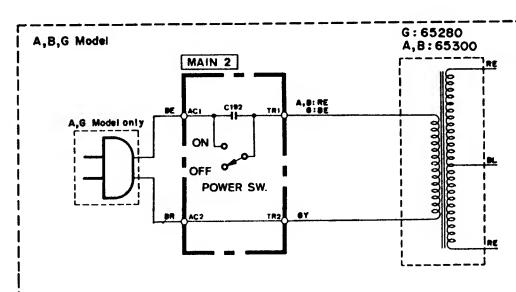
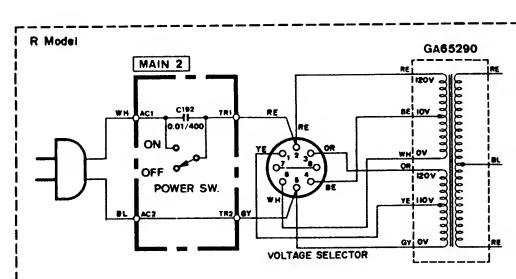
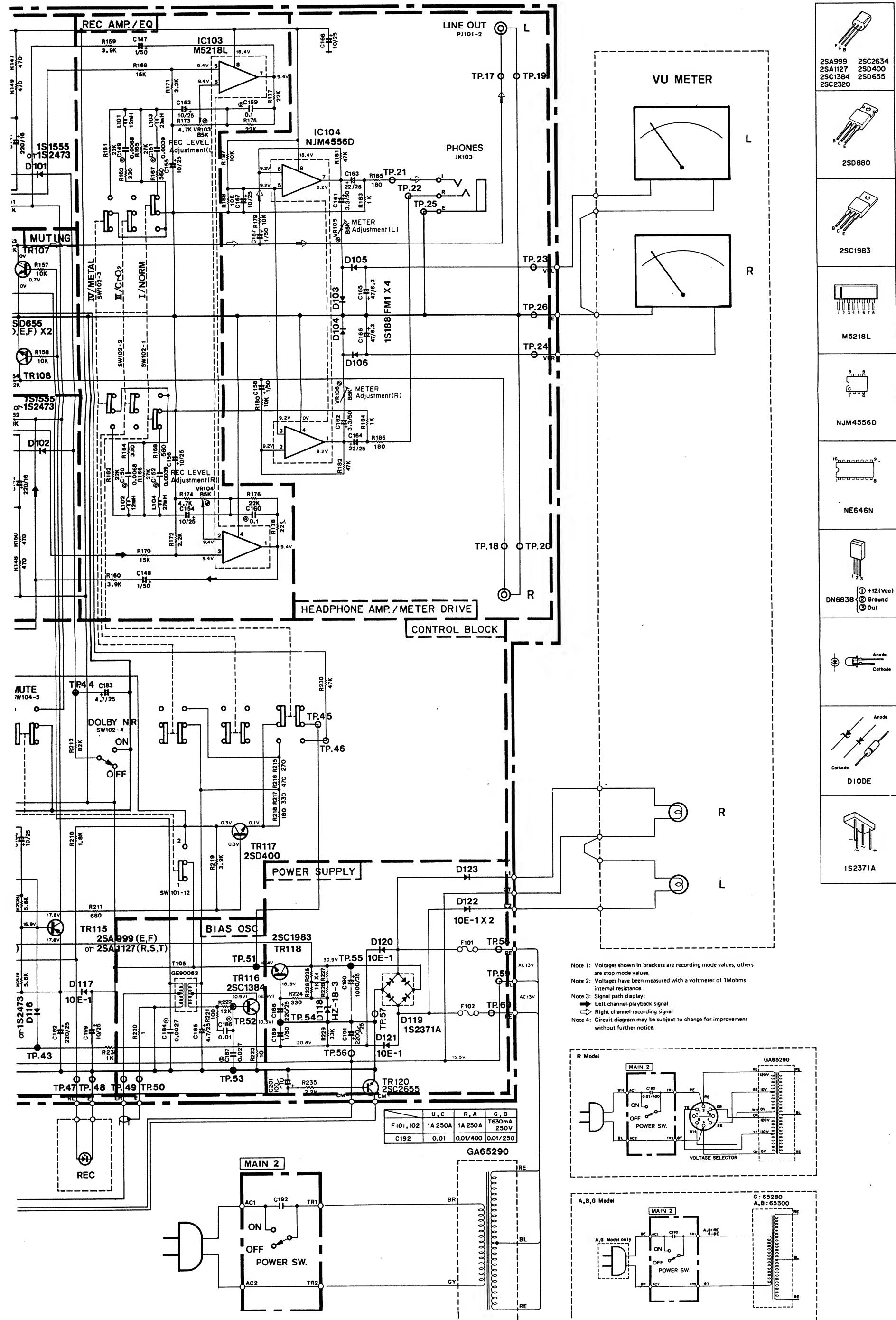
BLOCK DIAGRAM



■ PERFORMANCE CHART FOR MECHANISM LOGIC

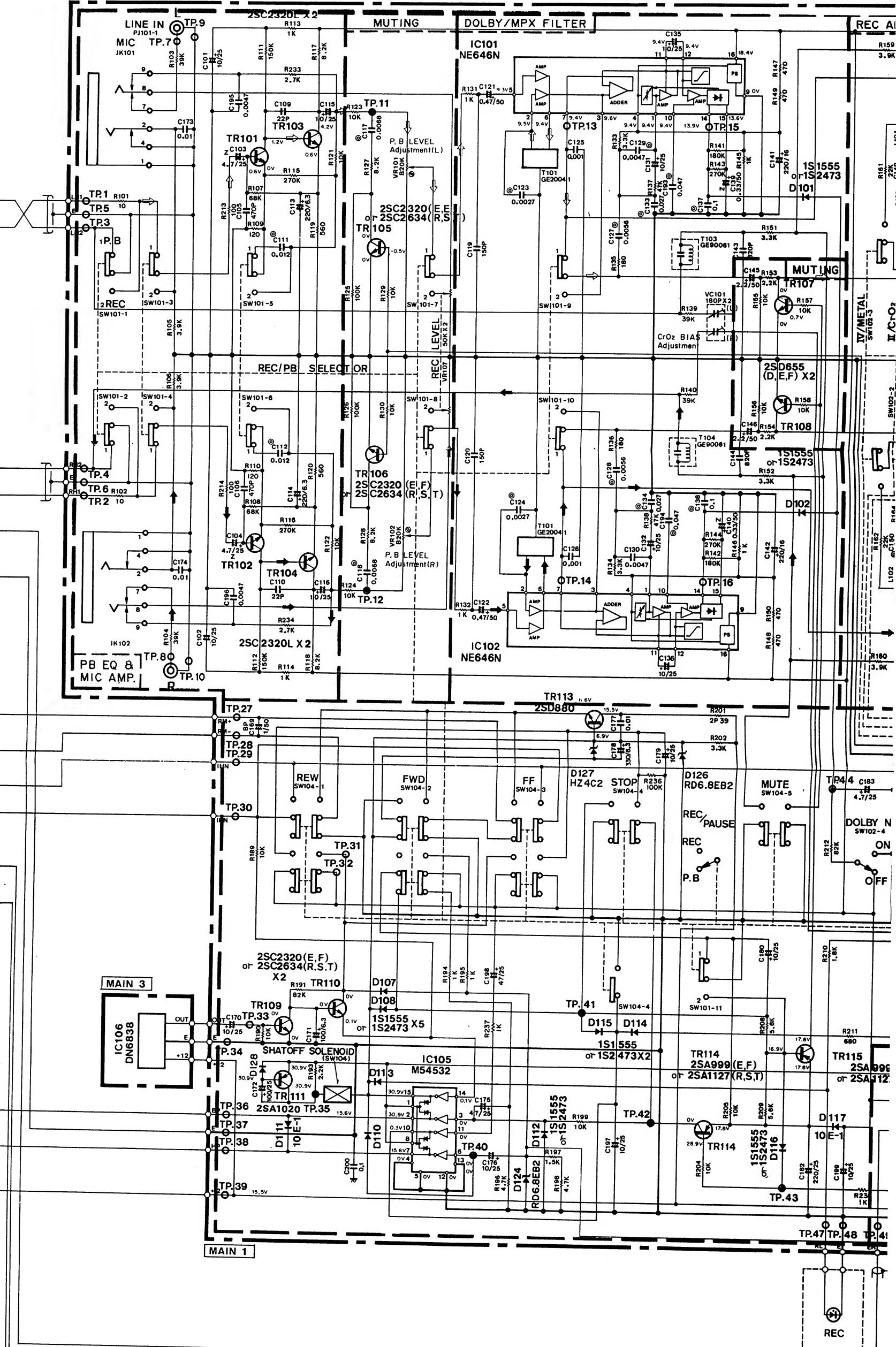
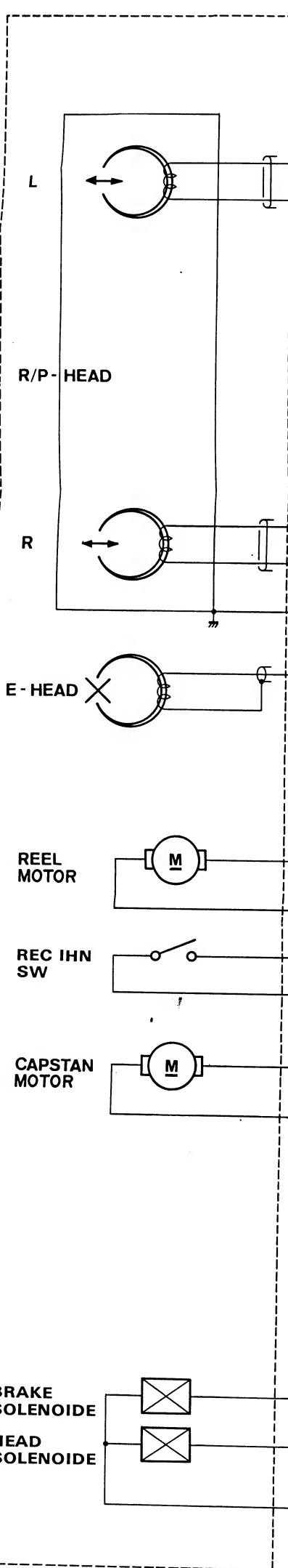




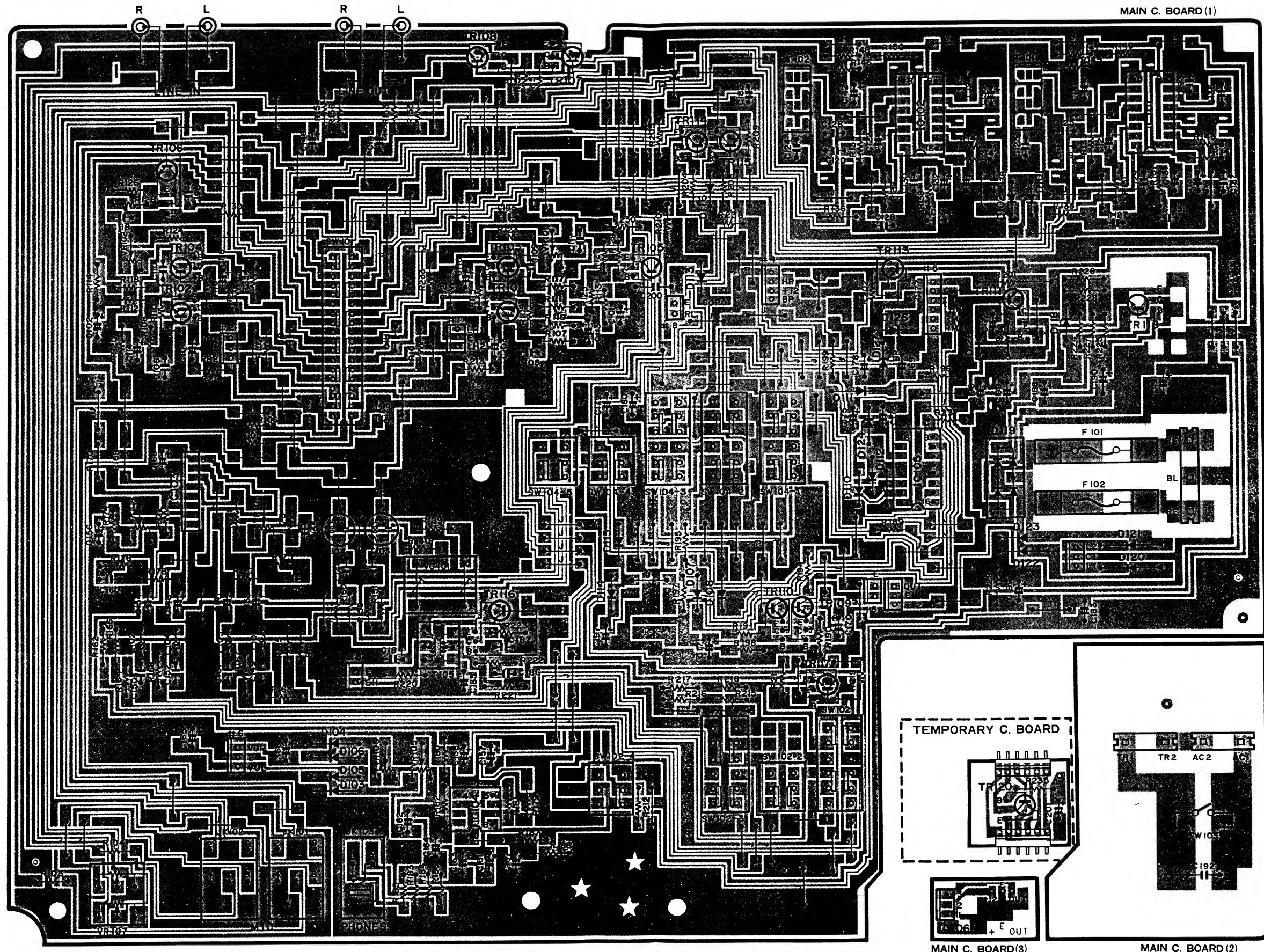


Schematic Diagram

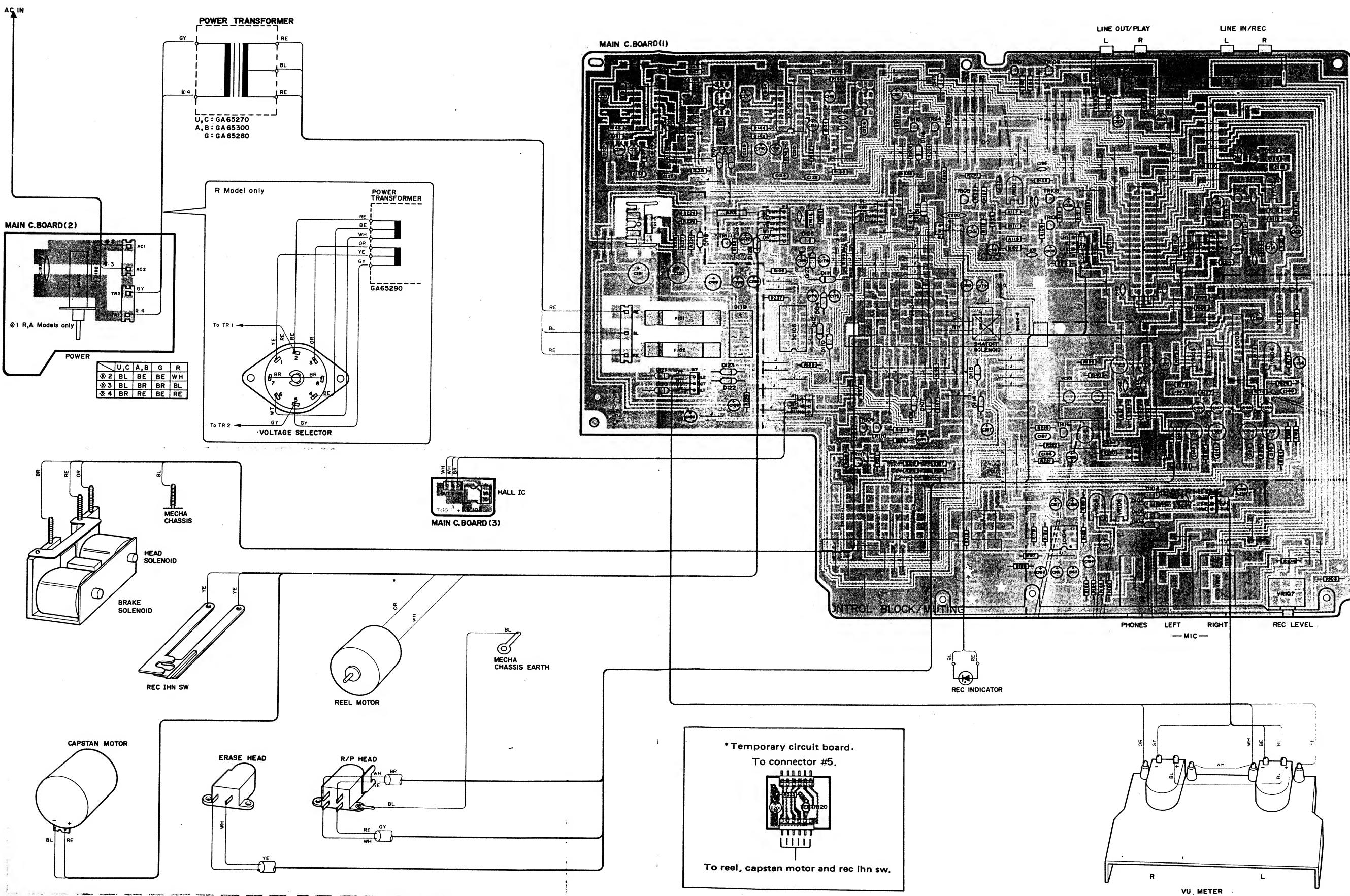
1 2 3 4 5 6



■ PRINTED CIRCUIT BOARD PATTERN-SIDE LAYOUT



■ PRINTED CIRCUIT BOARD PARTS-SIDE COMPONENTS LAYOUT/WIRING



PARTS LIST

K-200

STEREO CASSETTE DECK

■CONTENTS	Page
■EXPLODED VIEW(Allover)	1
■PARTS LIST (Allover)	2
■EXPLODED VIEW (Mechanism)	3
■PARTS LIST (Mechanism)	4
■PARTS LIST (Circuit Board) Main Circuit Board	6

Notes

DESTINATION ABBREVIATIONS

U	U.S.A
C	CANADIAN
G	EUROPEAN
B	BRITISH
R	GENERAL
A	AUSTRALIAN
J	JAPAN

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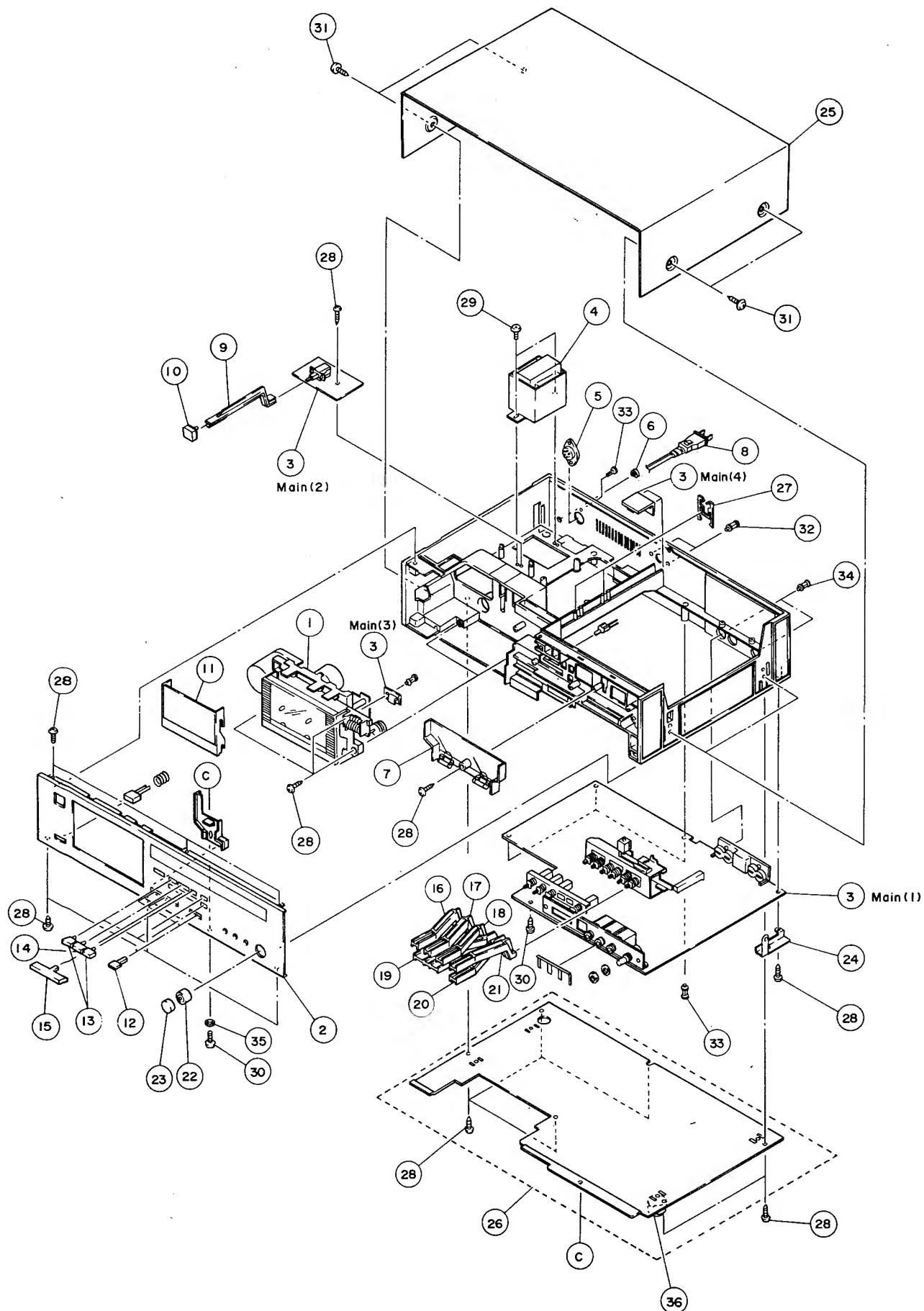
YAMAHA

NIPPON GAKKI CO., LTD. HAMAMATSU, JAPAN

Printed in Japan 5.82 2.65 K

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■ EXPLODED VIEW (Allover)



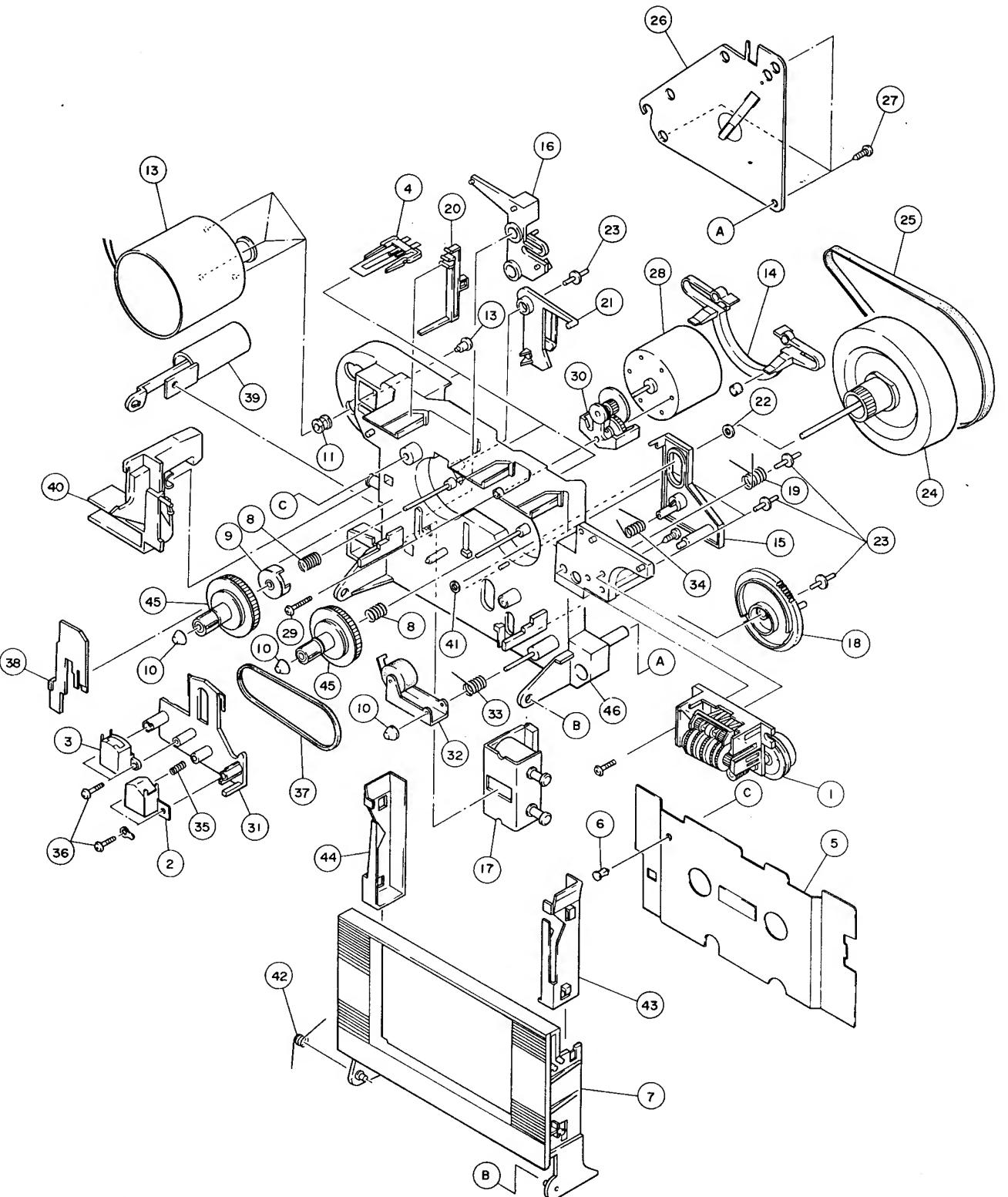
Ref. No.	Part No.	Description		(部品名)	Remarks	Common model	Markets
*	1 SM 60 18 00	Cassette Meahanism	TM-5A(S)	カセットメカ組立			
"	SM 60 19 00	"	" (B)	"	Black Model	G	
*	2 NB 60 57 50	Panel Unit		パネルユニット			
"	NB 60 57 60	"		"	Black Model	G	
*	3 NA 07 89 00	Main Circuit Board		メインシート		J	
"	NA 07 89 10	"		"		U,C	
"	NA 07 89 20	"		"		G,B	
"	NA 07 89 30	"		"		R,A	
"	NA 07 89 40	"		"	Black Model	G	
*	4 GA 65 26 00	Power Transformer		電源トランス		J	
"	GA 65 27 00	"		"		UC	
"	GA 65 28 00	"		"		G	
"	GA 65 30 00	"		"		A,B	
"	GA 65 29 00	"		"		R	
5	LB 20 14 80	Voltage Selector		電圧切替器		R	
6	CB 06 86 30	Cord Stopper	SR-3P-4	コードストッパー		J,U,C	
"	CB 60 99 50	"	SR-5N-4	"		R,A,G,B	
7	Ji 00 12 50	VU Meter	(S)	VUメーター			
"	Ji 00 12 60	"	(B)	"	Black Model	G	
8	MG 00 04 10	AC Cord	Black 2.2m 7A/125V	電源コード		J	
"	MG 00 07 80	"	" 2m 6A/250V	"		R	
"	MG 00 08 40	"	" " 10A/125V	"	Inter-changeable	U,C	
"	MG 00 12 40	"	" "	"		U,C	
"	MG 00 09 20	"	Gray 2.5m 7.5A/250V	"		A	
"	MG 00 09 50	"	" 2m 2.5A/250V	"		G	
"	MG 00 10 00	"	Black 2m 6A 300/500V	"		B	
9	CB 60 80 90	Rod Power		ロッド、POWER			
*	10 CB 61 02 30	Button, Power		パワーボタン			
"	CB 61 02 40	"		"	Black Model	G	
11	CB 60 81 00	Lid Cover		リッドカバー			
"	CB 60 91 30	"		"	Black Model	G	
12	CB 61 01 30	Push Button		プッシュボタン			
"	CB 61 01 40	"		"	Black Model	G	
13	CB 61 01 50	Operation Button A		P-オペボタンA			
"	CB 61 01 60	" A		" A	Black Model	G	
14	CB 61 01 70	" B		" B			
"	CB 61 01 80	" B		" B	Black Model	G	
15	CB 61 01 90	" C		" C			
"	CB 61 02 00	" C		" C	Black Model	G	
16	CB 60 81 50	Rod, REW	#1	ロッド, REW			
17	CB 60 81 60	" PLAY	#2	" PLAY			
18	CB 60 81 70	" FF	#3	" FF			
19	CB 60 81 80	" STOP	#4	" STOP			
20	CB 60 81 90	" REC	#6	" REC			
21	CB 60 82 00	" MUTE	#5	" MUTE			
22	BA 08 24 70	Knob, Bouble L		ダブルツマミL			
"	BA 08 29 10	" L		" L	Black Model	G	
23	BA 08 24 80	" R		" R			
"	BA 08 29 20	" R		" R	Black Model	G	
24	AA 61 05 70	Metal Fitting		アース金具			
25	AA 61 06 10	Top Cover		トップカバー			
"	AA 61 13 00	"		"	Black Model	G	

*: New Parts (新部品)

Ref. No.	Part No.	Description		(部品名)	Remarks	Common model	Markets
*	26 NB 60 69 60	Bottom Cover Unit			ボトムカバーユニット		
*	27 CB 60 99 80	Cord Clamper			コードクランパー		
28	Ei 03 01 00	Bind Head Tapping Screw	3×10(ZMC2-Y)	鉄パイントッピングネジ			
29	Ei 04 01 40	"	4×14(")	"	Power Transformer		
30	EN 13 00 10	"	3×6 (")	"		Type-II	
31	EK 63 50 30	B-W Head P-type Screw	4×12(FCM3-3g)	鉄B.W Pタイトネジ	Top Cover		
32	CB 60 92 60	Plastic Rivet	φ3	プラスチックリベット			
33	CB 60 32 40	"	φ3.5	"			
34	CB 61 04 00	"					
35	EV 20 03 00	Plain Washer	φ3(ZMC2-Y)	平座金			
36	CB 61 03 90	Leg			脚		
37	CB 61 22 40	Cushion, C.Board			シートクッション		

*: New Parts (新部品)

■ EXPLODED VIEW (Mechanism)



K-200 K-200

■ PARTS LIST (Mechanism)

Ref. No.	Part No.	Description	(部品名)	Remarks	Common model	Markets
*	SM:60:18:00	Cassette Mechanism	TM-5A(S)	カセットメカ組立		
*	SM:60:19:00		TM5A(B)	"	Black Model	G
*	1 PB:06:21:50	Counter		テープカウンター		
*	2 GF:00:01:90	REC/Playback Head		録再ヘッド		
3	GF:00:01:80	Erase Head		消去ヘッド	K-550 K-560	
*	4 KA:60:05:20	Leaf Switch		リーフSW		
*	5 BA:08:18:90	Blind Plate T	N3.5 Gray	ブラインドプレートT		
*	" BA:08:28:30	"	N3.5 Black	"	Black Model	G
6	CB:06:88:80	Plastic Rivet	Φ3.5 Black	プラスチックリベット		
*	7 NB:60:58:30	Housing Ass'y	N3 Gray	ハウジングAss'y		
"	NB:60:58:20	"	N3 Black	"	Black Model	G
8	AA:60:88:80	BT-Spring		BT-スプリング		
*	NB:60:33:50	BT-Disc Ass'y		BTディスクAss'y		
10	CB:60:61:50	Reel Cap		リールキャップ		
*	11 CB:61:11:80	Mounting Plate, Motor		モーター取付座		
12	AA:60:66:50	Screw, Motor	(ZMC2)	モーター取付ネジ	K-550 K-560	
*	13 JC:00:07:10	Capstan Motor	MMi-6	キャブスタンモーター		
*	14 NB:60:58:00	Brake Ass'y		ブレーキAss'y		
*	15 CB:60:61:60	Cam Follower		カムフォロア		
*	16 CB:60:61:70	Play-Triger		Play-トリガ		
*	17 JF:00:03:30	Solenoid Ass'y		ソレノイドAss'y		
*	18 CB:60:61:80	Cam		カム		
*	19 AA:60:88:90	Cam-Spring		カムスプリング		
20	CB:60:75:90	Senser, Lid		リッドセンサ		
*	21 CB:60:61:90	Stop-Triger		STOP-トリガ		
*	22 CB:60:62:10	Washer	PW-2.5-7	ボリスライダーワッシャー		
*	23 CB:60:62:00	Rivet		リベット		
*	24 NB:60:33:70	Flywheel Ass'y		フライホイールAss'y		
*	25 CB:60:62:20	Main Belt		メインベルト		
*	26 NB:60:79:10	Back Plate Ass'y		バックプレートAss'y		
27	Ei:03:01:00	Bind Head Tapping Screw	3×10	鉄バインドタッピングネジ		
*	28 JC:00:07:20	Reel Motor	BFS9B	リールモーター		
29	ED:02:62:00	Bind Head Screw	2.6×20(ZMC2-Y)	鉄バインド小ネジ		
*	30 NB:60:33:90	Gear Ass'y		ギヤAss'y		
31	CB:60:62:30	Head Base		ヘッドベース		
*	32 NB:60:34:00	Pinch Roller Ass'y		ピンチローラーAss'y		
*	33 AA:60:89:10	Spring, Return		リターンスプリング		
*	34 AA:60:89:20	" Head Base		ヘッドベーススプリング		
*	35 AA:60:89:30	" RPH		RPHスプリング		
36	ED:02:01:20	Bind Head Screw	2×12(ZMC2-Y)	鉄バインド小ネジ	R/P Head	
*	37 CB:60:62:40	Counter-Belt		カウンターベルト		
*	38 CB:60:61:00	Lever, Play Look		プレイロックレバー		
*	39 NB:60:33:40	Damper Ass'y		ダンパーAss'y		
*	40 CB:60:61:10	Lever, Lock		ロックレバー		
41	CB:08:26:10	Washer		キャブスタンワッシャー	K-550 K-560	
*	42 AA:60:88:70	Spring, Housing		ハウジングSp		
*	43 CB:60:98:80	Guide R, Cassette		カセットガイドR		
*	44 CB:60:98:90	Guide L, Cassette		カセットガイドL		
*	45 NB:60:34:30	Reel Base Ass'y		リール台Ass'y		
46	NX:60:00:60	Chassis, Mechanism		メカシャーシサブAss'y		
	EJ:02:60:80	Pan Head Tapping Screw	2.6×8(ZMC2-Y)	鉄ナベタッピングネジ	for Tape Counter	

* : New Parts (新部品)

■PARTS LIST (Circuit Board)

Ref. No.	Part No.	Description	(部品名)	Remarks	Common model	Markets
*	NA:07:89:00	Main Circuit Board	メインシート			J
*	NA:07:89:10					U, C
*	NA:07:89:20					G, B
*	NA:07:89:30					R, A
	NA:07:89:40				Black Model	G
C101	UW:84:71:00	Electrolytic Capacitor	10μF 25V	ケミコン		
C102	FM:51:64:70	"	4.7μF 25V	Zコン		
C103	FG:41:24:70	Ceramic Capacitor	470pF 50V(K)	セラコン		
C104						
C105						
C106						
C109	FG:41:12:20	Ceramic Capacitor	22pF 50V(K)	セラコン		
C110	UA:25:41:20	Mylar Capacitor	0.012μF 50V(J)	マイラーコン		
C111						
C112						
C113	UW:91:82:20	Electrolytic Capacitor	220μF 6.3V	ケミコン		
C114						
C115	UW:84:71:00	"	10μF 25V	"		
C116						
C117	UA:25:36:80	Mylar Capacitor	0.0068μF 50V(J)	マイラーコン		
C118						
C119	FG:41:21:50	Ceramic Capacitor	150pF 50V(K)	セラコン		
C120						
C121	UW:96:54:70	Electrolytic Capacitor	0.47μF 50V	ケミコン		
C122						
C123	FG:71:32:70	Mylar Capacitor	0.0027μF 50V(J)	マイラーコン		
C124						
C125	FG:41:31:00	Ceramic Capacitor	0.001μF 50V(K)	セラコン		
C126						
C127	UA:25:35:60	Mylar Capacitor	0.0056μF 50V(J)	マイラーコン		
C128						
C129	UA:25:34:70	"	0.0047μF 50V(J)	"		
C130						
C131	UW:84:71:00	Electrolytic Capacitor	10μF 25V	ケミコン		
C132						
C133	UA:25:42:70	Mylar Capacitor	0.027μF 50V(J)	マイラーコン		
C134						
C135	UW:84:71:00	Electrolytic Capacitor	10μF 25V	ケミコン		
C136						
C137	UA:25:51:00	Mylar Capacitor	0.1μF 50V(J)	マイラーコン		
C138						
C139	FM:42:53:30	Electrolytic Capacitor	0.33μF 50V	Zコン		
C140						
C141	UW:83:82:20	"	220μF 16V	ケミコン		
C142						
C143	FG:41:28:20	Ceramic Capacitor	820pF 50V(K)	セラコン		
C144						
C145	UW:86:62:20	Electrolytic Capacitor	2.2μF 50V	ケミコン		
C146						
C147	UW:86:61:00	"	1μF 50V	"		
C148						
C149	UA:25:36:80	Mylar Capacitor	0.0068μF 50V(J)	マイラーコン		
C150						
C151	FA:15:33:90	"	0.0039μF 50V(J)	"		
C152						
C153	UW:84:71:00	Electrolytic Capacitor	10μF 25V	ケミコン		
C156						
C157	UW:86:61:00	"	1μF 50V	"		
C158						
C159	UA:25:51:00	Mylar Capacitor	0.1μF 50V(J)	マイラーコン		
C160						
C161	UW:96:63:30	Electrolytic Capacitor	3.3μF 50V	ケミコン		
C162						
C163	UW:94:72:20	"	22μF 25V	"		
C164						
C165	UW:91:74:70	"	47μF 6.3V	"		
C166						
C167	UW:84:71:00	"	10μF 25V	"		
C168						
C169	UK:16:61:00	"	1μF 50V	B.Pコン		
C170	UW:84:71:00	"	10μF 25V	ケミコン		
C171	UW:91:81:00	"	100μF 6.3V	"		
C172	UW:94:81:00	"	100μF 25V	"		
C173	FG:44:41:00	Ceramic Capacitor	0.01μF 50V(Z)	セラコン		
C174						
C175	UW:94:74:70	Electrolytic Capacitor	47μF 25V	ケミコン		
C176	UW:84:71:00	"	10μF 25V	"		
C177	FG:44:41:00	Ceramic Capacitor	0.01μF 50V(Z)	セラコン		
C178	UW:91:83:30	Electrolytic Capacitor	330μF 6.3V	ケミコン		
C179	UW:84:71:00	"	10μF 25V	"		
C180						
C182	UW:84:82:20	Electrolytic Capacitor	220μF 25V	ケミコン		
C183	UW:94:64:70	"	4.7μF 25V	"		
* C184	FT:85:32:70	Polypropylene Capacitor	0.0027μF 100V(J)	ポリプロコン ECQ-P		

*: New Parts (新部品)

Ref. No.	Part No.	Description			(部品名)	Remarks	Common model	Markets
C185	UW 94:64:70	Electrolytic Capacitor	4.7μF	25V	ケミコン			
C186	UA 25:41:00	Mylar Capacitor	0.01μF	50V(J)	マイラーコン			
C187	UA 25:42:70	"	0.027μF	50V(J)	"			
C188	UW 84:82:20	Electrolytic Capacitor	220μF	25V	ケミコン			
C189	UW 86:61:00	"	1μF	50V	"			
C190	UW 95:91:00	"	1000μF	35V	"			
C191	UW 94:92:20	"	2200μF	25V				
C192	Fi 32:41:00	Ceramic Capacitor	0.01μF	AC250V(DE)	セラコン		J	
"	Fi 33:41:00	"	0.01μF	AC400V(DE)	"		R, A	
"	Fi 34:41:00	"	0.01μF	MY(DE)	"		U, C	
"	FR 16:41:00	MP Capacitor	0.01μF	AC250V	MPコン		G, B	
C193	UA 25:44:70	Mylar Capacitor	0.047μF	50V(K)	マイラーコン			
C194	FG 41:34:70	Ceramic Capacitor	0.0047μF	50V(K)	セラコン			
C195								
C196								
C197	UW 84:71:00	Electrolytic Capacitor	10μF	25V	ケミコン			
C198	UW 94:74:70	"	47μF	25V	"			
C199	UW 84:71:00	"	10μF	25V	"			
C200	FG 44:51:00	Ceramic Capacitor	0.1μF	50V(K)	セラコン			
C201	UW 82:81:00	Electrolytic Capacitor	100μF	10V	ケミコン			
* VC101	FY 00:02:10	Trimmer Capacitor	180pF		トリマーコン 2連			
* T101	GE 20:04:10	MPX Coil			MPXコイル			
T102								
* T103	GE 90:06:10	Trap Coil	85K		トラップコイル			
T104								
* T105	GE 90:06:30	OSC Coil	85K		OSCコイル			
L101	GE 90:02:60	Coil	12mH		固定コイル			
L102								
L103	GE 90:08:10	"	27mH		"			
L104								
R101	HJ 35:41:00	Carbon Resistor	10Ω	RD25S	カーボン抵抗			
R102	HJ 35:73:90	"	39KΩ	"	"			
R103	HJ 35:63:90	"	3.9KΩ	"	"			
R104								
R105	HJ 35:63:90	"	68KΩ	"	"			
R106								
R107	HJ 35:76:80	"	120Ω	"	"			
R108								
R109	HJ 35:51:20	"	150KΩ	"	"			
R110								
R111	HJ 35:81:50	"	1KΩ	"	"			
R112								
R113	HJ 35:61:00	"	270KΩ	"	"			
R114								
R115	HJ 35:82:70	"	8.2KΩ	"	"			
R116								
R117	HJ 35:68:20	"	560Ω	"	"			
R118								
R119	HJ 35:55:60	"	10KΩ	"	"			
R120								
R121	HJ 35:71:00	"	100KΩ	"	"			
R122								
R123	HJ 35:81:00	"	8.2KΩ	"	"			
R124								
R125	HJ 35:68:20	"	180Ω	"	"			
R126								
R127	HJ 35:71:00	"	1KΩ	"	"			
R128								
R129	HJ 35:61:00	"	47KΩ	"	"			
R130								
R131	HJ 35:63:30	"	10KΩ	"	"			
R132								
R133	HJ 35:51:80	"	3.3KΩ	"	"			
R134								
R135	HJ 35:74:70	"	180Ω	"	"			
R136								
R137	HJ 35:71:00	"	10KΩ	"	"			
R138								
R139	HJ 35:81:80	"	180KΩ	"	"			
R140								
R141	HJ 35:82:70	"	270KΩ	"	"			
R142								
R143	HJ 35:61:00	"	1KΩ	"	"			
R144								
R145	HJ 35:54:70	"	470Ω	"	"			
R146								
R147	HJ 35:63:30	"	3.3KΩ	"	"			
R148								
R149	HJ 35:62:20	"	2.2KΩ	"	"			
R150								
R151								
R152								
R153								
R154								

* : New Parts (新部品)

Ref. No.	Part No.	Description (部品名)			Remarks	Common model	Markets
R155 ~158	HJ 35:71:00	Carbon Resistor	10KΩ RD25S	カーボン抵抗			
R159	HJ 35:63:90	"	3.9KΩ "	"			
R160							
R161	HJ 35:72:20	"	22KΩ "	"			
R162							
R163	HJ 35:53:30	"	330Ω "	"			
R164							
R165	HJ 35:72:70	"	27KΩ "	"			
R166							
R167	HJ 35:55:60	"	560Ω "	"			
R168							
R169	HJ 35:71:50	"	15KΩ "	"			
R170							
R171	HJ 35:62:20	"	2.2KΩ "	"			
R172							
R173	HJ 35:64:70	"	4.7KΩ "	"			
R174							
R175 ~178	HJ 35:72:20	"	22KΩ "	"			
R179	HJ 35:71:00	"	10KΩ "	"			
R180							
R181	HJ 35:74:70	"	47KΩ "	"			
R182							
R183	HJ 35:61:00	"	1KΩ "	"			
R184							
R185	HJ 35:51:80	"	180Ω "	"			
R186							
R187 ~190	HJ 35:71:00	"	10KΩ "	"			
R188	HJ 35:78:20	"	82KΩ "	"			
R189							
R190	HJ 35:64:70	"	4.7KΩ "	"			
R191							
R192	HJ 35:62:20	"	2.2KΩ "	"			
R193							
R194	HJ 35:61:00	"	1KΩ "	"			
R195							
R196	HJ 35:64:70	"	4.7KΩ "	"			
R197	HJ 35:61:50	"	1.5KΩ "	"			
R198	HJ 35:64:70	"	4.7KΩ "	"			
R199	HJ 35:71:00	"	10KΩ "	"			
R201	HL 72:43:90	Metal Oxide Film Resistor	39Ω 2P	酸金被膜抵抗			
R202	HJ 35:63:30	Carbon Resistor	3.3KΩ RD25S	カーボン抵抗			
R203							
R204	HJ 35:71:00	Carbon Resistor	10KΩ RD25S	カーボン抵抗			
R205							
R206							
R207							
R208	HJ 35:65:60	Carbon Resistor	5.6KΩ RD25S	カーボン抵抗			
R209							
R210	HJ 35:61:80	"	1.8KΩ "	"			
R211	HJ 35:56:80	"	680Ω "	"			
R212	HJ 35:78:20	"	82KΩ "	"			
R213	HJ 35:51:00	"	100Ω "	"			
R214							
R215	HJ 35:52:70	"	270Ω "	"			
R216	HJ 35:54:70	"	470Ω "	"			
R217	HJ 35:53:30	"	330Ω "	"			
R218	HJ 35:51:80	"	180Ω "	"			
R219	HJ 35:63:90	"	3.9KΩ "	"			
R220	HJ 35:31:00	"	1Ω "	"			
R221	HJ 35:51:00	"	100Ω "	"			
R222	HJ 35:71:20	"	12KΩ "	"			
R223	HV 35:41:00	Flame Proof Carbon Resistor	10Ω	不燃化カーボン抵抗			
R224	HJ 35:53:30	Carbon Resistor	330Ω RD25S	カーボン抵抗			
R225 ~228	HJ 35:61:00	"	1KΩ "	"			
R229	HJ 35:73:30	"	33KΩ "	"			
R230	HJ 35:74:70	"	47KΩ "	"			
R231							
R232							
R233	HJ 35:62:70	Carbon Resistor	2.7KΩ RD25S	カーボン抵抗			
R234							
R235	HJ 35:62:20	"	2.2KΩ "	"			
R236	HJ 35:81:00	"	100K "	"			
R237	HJ 35:61:00	"	1KΩ "	"			
R238							

※ : New Parts (新部品)

Ref. No.	Part No.	Description		(部品名)	Remarks	Common model	Markets
VR101	HT 17:02:90	Semi Variable Resistor	B20K V8K4-11	半固定VR	Inter-changeable		
VR102	HT 37:00:80	"	" EVN-K4A	"			
VR103 ~106	HT 17:02:70	Semi Variable Resistor	B5K V8K4-11	半固定VR	Inter-changeable		
"	HT 37:00:50	"	B5K EVN-K4A	"			
* VR107	HS 41:16:00	Variable Resistor	50K×2 2-2	VR 2軸2連			
TR101 ~104	iC 23:20:30	Transistor	2SC2320L	トランジスタ			
TR105	iC 23:20:10	"	2SC2320(E,F)	"	Inter-changeable		
TR106	iC 26:34:00	"	2SC2634(R,S,T)	"			
TR107	iD 06:55:00	"	2SD655 (D,E,F)	"			
TR108	iC 23:20:10	"	2SC2320(E,F)	"	Inter-changeable		
"	iC 26:34:00	"	2SC2634(R,S,T)	"			
TR111	iA 10:20:00	"	2SA1020	"			
TR113	iD 08:80:00	"	2SD880	"			
TR114	iA 09:99:10	"	2SA999 (E,F)	"	Inter-changeable		
TR115	iA 11:27:00	"	2SA1127(R,S,T)	"			
* TR116	iC 13:84:00	"	2SC1384	"			
TR117	iD 04:00:00	"	2SD400	"			
TR118	iC 19:83:00	"	2SC1983	"			
TR120	iC 26:55:00	Transistor	2SC2655(O,Y)	トランジスタ			
D101	iF 00:00:40	Diode	IS1555	ダイオード	Inter-changeable		
D102	iF 00:06:70	"	IS2473	"			
"	iF 00:06:70	"	IS2473	"			
D103 ~106	iF 00:03:30	"	IS188FM1	"			
D107	iF 00:00:40	"	IS1555	"	Inter-changeable		
D108	iF 00:06:70	"	IS2473	"			
D110	iF 00:00:40	"	IS1555	"	Inter-changeable		
"	iF 00:06:70	"	IS2473	"			
D111	iH 00:05:90	"	10E-1	"			
D112 ~116	iF 00:00:40	"	IS1555	"	Inter-changeable		
"	iF 00:06:70	"	IS2473	"			
D117	iH 00:05:90	"	10E-1	"			
D118	iF 00:16:00	Zener Diode	HZ-18-3	ツエナーダイオード			
D119	iH 00:09:70	Bridge Diode	IS2371A	ダイオードブリッジ			
D120 ~123	iH 00:05:90	Diode	10E-1	ダイオード			
D124	iF 00:16:70	Zener Diode	RD6,8EB2	ツエナーダイオード			
D126	iF 00:16:70	Zener Diode	RD6,8EB2	ツエナーダイオード			
D127	iF 00:38:90	"	HZ4C2	"			
D128	iF 00:00:40	Diode	IS1555	ダイオード	Inter-changeable		
"	iF 00:06:70	"	IS2473	"			
IC101	iG 03:46:00	IC	NE646N	IC			
IC102	iG 05:82:00	"	M5218L	"			
IC103	iG 04:25:00	"	NJM4556D	"			
* IC104	iG 05:50:00	"	M54532	"			
* IC105	iG 03:04:50	"	DN6838	"			
* SW101	KA 40:09:70	Switch, REC/PLAY	12-Circuit	録再スイッチ			
* SW102	KA 80:29:10	Push Switch	4-Action	プッシュSW			
* SW103	KA 80:29:60	Power Switch		パワーSW 4連		J	
"	KA 80:29:70	"		"		U, C	
"	KA 80:29:80	"		"		R, A, G, B,	
* SW104	KA 80:29:00	Push Switch	6-Action	プッシュSW 6連			

* : New Parts (新部品)

* : New Parts (新部品)